

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-009

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period May 24 - 30, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period May 24 – 30, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	1
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: One Near miss incident occurred; the operator of Haul Truck #12 received a brake warning light as he was pulling into the hydration station and reported to his supervisor. The truck was inspected and it was determined the front drive axle brake caliper had become detached. Approx. 0.5 gallons of hydraulic fluid was recovered and placed in containment for disposal.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. The notification process for mobilization of equipment through Wellpinit to the project has been reviewed and new communication guidelines have been established to ensure that notifications are provided to the Spokane Tribe of Indians Community Liaison Officer.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, May 29, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Jacobs
- Dawn Mining Company (DMC)/Newmont
- Stantec
- Ajax
- WME

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Steve Demus, Jacobs, representing EPA was on site May 24.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of May 24 – 30, 2019, the following activities were conducted:

- Remedial activities were shut down on Monday May 27 for Memorial Day.
- Excavating, hauling and placing material from Ore Stockpile 3 (Stockpile 3, high activity/high reactivity material), Protore Stockpile 4 (Stockpile 4, high activity/high reactivity material), Ore and Protore Stockpile 5 (Stockpile 5, high activity/high reactivity material) and South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area. Material from SWRP was also placed at the south end of the pit to form the 20' radon buffer on the outer waste surface. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume. Haulage operations stopped early during the night shift on May 24 due to unsafe condition resulting from precipitation.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume¹ yd³
May 24 - 30, 2019	2,473	69,244
2019 Cumulative	26,004	728,112

¹ – Truck load assumed to be 28 yd³

- Removed trees from the Pit 4 west side cover tie-in area.
- Performed quarterly surveys of 2019 RA work areas. Data from the surveys are currently being processed and will be submitted once processing is complete.
- Prepared subgrade of 60 additional feet of Infiltration Collector (IC) on the west side of Pit 4 and installed Geosynthetic Clay Liner (GCL) and Drain Gravel.
- Pit 4 tension crack was measured on May 28. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP) Activities

- Performed regularly-schedule weekly SWPPP Inspection on May 24. The inspection was completed prior to the onset of the afternoon/evening storm event and no discharges from Site compliance points occurred at the time of the Weekly inspection. Steve Demus (Jacobs/EPA) and Valerie Ehrendreich (Ajax, CQA supervisor) were present during the Weekly SWPPP inspection. An inspection report for the weekly SWPPP Inspection has been saved to the SharePoint site.
- A storm event SWPPP inspection was performed on May 25 for the precipitation event on May 24. The SWPPP inspection report has been posted to SharePoint. No new deficiencies identified.
- Removed sediment from the sediment traps in the Northern Construction Support Zone (NCSZ) and replaced and installed wattles downgradient from the traps.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- 500-gallon water buffalo tank

The following equipment was demobilized from the Site during this reporting period.

- None

All non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period. All monitors were turned off Friday night (May 24) at 6:00 p.m. due to heavy rain.

Table 2 - TSP Dust Monitoring Locations during reporting period May 24 – 30, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/E			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/E			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/E			D/N	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19	D/E			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/E			D/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/E			D/N	D/N	D/N	DN
ES-8 (roving)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
None			
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
RFI 2019-08	Detectable Identification Tape	5/10/2019	TBD
RFI 2019-09	Trench Compaction Testing	5/10/2019	TBD
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title		CQC-CQA Issue Date
2019-07	West IC, First Lateral Extension – Subgrade Acceptance		5/30/2019
Other Items			
Item	Title		Comments
None			

Copies of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

None during this time-period.

Initial Phase Inspections

None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
 - Mine waste excavated from the SWRP and the South Pond Cut (all low reactivity/low activity material) was placed along the edges of the pit to construct the 20-foot buffer zone (rind). Mine waste excavated from Stockpiles 3 and 5 (high reactivity/high activity material) was placed in areas of the pit bounded by the 20-foot buffer zone.
- West Side Infiltration Collection System (WICS)
 - First lateral (west of main collector)
CQC-CQA observed the following:
 - Subgrade compaction.
 - GCL placement.
 - Placement of a minimum 12 inches of drain gravel.

- CSZ CSWPPP Inspection Items
 - Sediment removed from the bottom, middle and top sed ponds located in the CSZ.
 - Wattles were placed along the western edge of the middle sed pond inside and outside the fence.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Placing material from the South Pond excavation in the SWRP in the Low Reactivity “Rind Area” of Pit 4 WCA.



Figure 2 – South Pond excavation in the SWRP.



Figure 3 – D6 Dozer pushing SWRP material along the west edge of Pit 4 above the Infiltration Collectors.



Figure 4 – Compacted subgrade in first lateral of Infiltration Collector on the west side of Pit 4, looking west

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

Midnite Mine 2019 Production Schedule				Midnite Mine Remedial Action 3 Week Look Ahead Schedule				Data Date: 30-May-19 Print Date: 31-May-19			
Activity ID	Activity Name	% Complete	Remaining Duration	Start	Midnite Work Resp.	June 2019					
						26	02	09	16	23	30
Midnite Mine 2019 Production Schedule				110	01-Apr-19 A						
Project Operations				110	01-Apr-19 A						
Pit 4 Operations				110	16-Apr-19 A						
DR10	Install Pit 4 Underdrain Dewatering Risers (LOB)	68%	110	16-Apr-19 A	NMC						
DR20	Install Pit 4 Waste Rock Dewatering Risers (LOB)	66%	110	16-Apr-19 A	NMC						
IC10	Install Pit 4 Infiltration Collectors (LOB)	37%	110	22-Apr-19 A	NMC						
WTP & South Pond Excavation to Pit 4				47	01-Apr-19 A						
Stockpiles 3 and 4				6	01-Apr-19 A						
SP6-10	Excavate and Haul remaining portions of Stockpiles 3, 3 and 4	98%	6	01-Apr-19 A	NMC						
South Pond				47	06-May-19 A						
SP3,4&SoPond-30	Excavate and Haul South Pond to Pit 4	19%	47	06-May-19 A	NMC						
SWRP (South Waste Rock Pile) to Pit 4				44	01-Apr-19 A						
SWRP North				44	01-Apr-19 A						
SWRP-N-10	Excavate and Haul SWRP North to Pit 4 (Part 1)	12%	44	01-Apr-19 A	NMC						
SWRP Ramp to CSZ-WTP				20	11-Jun-19						
SWRP-CSZ-WTP-10	Excavate and Haul SWRP Ramp to CSZ-WTP to Pit 4	0%	20	11-Jun-19	NMC						
Timber Processing Areas				15	03-Jun-19						
TISS - Timber Processing				15	03-Jun-19						
TISS TP-10	Chipping of Trees and Slash in TISS	0%	15	03-Jun-19	NMC						

◆ Current Milestone

■ Actual Work

■ Remaining Work

■ Critical Remaining Work

■ Remaining Level of Effort

■ Actual Level of Effort

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